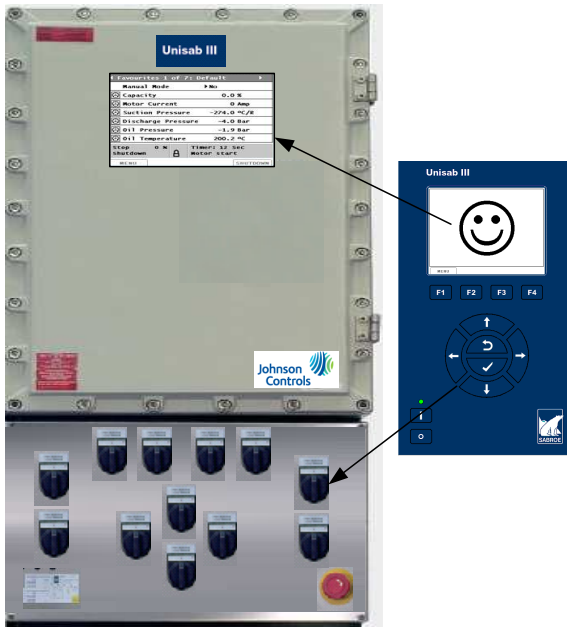


Unisab III for hazardous areas

Unisab III control and monitoring system for hazardous areas



Advanced sequencing

When featuring a mix of compressor units with Unisab III Ex panel, sequence control of up to 14 compressor or chillers is now possible.

Environment for panel

Enclosure type, IP66 (NEMA 4X)

Can be used in Zone 1, 2 and Zone 21, 22

EExd panel is in aluminum (AlSi 7Mg) (saltwater-proof according to EN 13890).

EExe panel is sheet steel SS316.

ATEX Certificates

Maximum reliability

To ensure the highest overall performance of Unisab III Ex panel in both industrial and marine environments, they have been rigorously tested in relation to factors that include electrical and EMC interference, vibrations, heat and cold, and shock.

Significant advantages

- Compatible with virtually all types and makes of refrigeration compressor equipment currently available.
- Easy to integrate into the vast majority of industrial control systems, with no need for expensive additional equipment.
- One consistent control system for virtually all compressors, featuring an intuitive, easy-to-use interface.
- Compressor sequencing and load sharing is possible without additional equipment.
- Monitoring, control and diagnostics capabilities combined in one compact, integrated design.

Description

The Unisab III Ex panel provides safe, effective monitoring, control and diagnostics for both reciprocating and screw compressors as well as chillers – of virtually any make – via the standard, built-in software package.

Pre-installed settings make the unit easy to set up for a huge variety of applications and configurations.

The Unisab III Ex panel includes an electrical panel complete with Unisab III controller and control equipment.

Easy to install

The Unisab III Ex panel is easy to install and operate and includes:

- UNISAB III controller/display in a EExd panel
- Terminal and push-button for operator the Unisab III in a EExe panel

Electrical installation at each unit is pre-fabricated, with all cables entering the bottom through cable glands and connected to terminals. The terminal numbers are according to Unisab III standard drawings.

Customer benefits

- Makes sure that refrigeration installations have the best possible performance, maximum uptime and lowest possible operating costs.
- Seamless transfer of data between systems ensures effective monitoring, control and diagnostics.
- Consistent “look and feel” for operating and monitoring equipment requires fewer operator skills, resulting in lower training costs.
- Optimised, energy-saving operation of multiple compressors keeps power consumption to a minimum and reduces operating costs.
- A single integrated control solution does away with the need for additional equipment, resulting in insignificant savings on installation costs.
- Global language support for different languages, e.g. Danish, English, French, German, Portuguese, Spanish and more.

Contents of retrofit package

Because of its exceptional compatibility even with legacy equipment, the Unisab III can be used to upgrade many types of refrigeration compressors, even from different manufacturers.

Support for high voltage motors not included in the retrofit, but is quoted additionally

Additional control and monitoring

The following control and monitoring systems can be quoted additionally:

- Remote control from Profibus or modbus.
 - Remote monitoring and control from a central computer or connection to a PC for remote supervision via Sabvisual, (a SCADA program) with access to operation logs, event logs and trend curves
- Remote monitoring and control from SAB HMI is a free PC based application that enables you to access the Unisab III controller panel remotely by Ethernet.

The above technical information is subject to updates in content and specification without prior notice.

